

U.S. Patent Application Serial No. 10/645,850
Amendment filed April 10, 2006
Reply to OA dated January 11, 2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): An information processing unit comprising:

- a reading section for reading information recorded in a recording medium;
- an information processing section for processing the information read by this reading section;
- a positional instruction recognizing section for recognizing an instruction for a prespecified position in said information;
- a change instruction recognizing section recognizing a change instruction to change a reproducing position of the information of the information processing section when a rotary operation is detected;
- a processing control section for changing the reproducing position of the information processing section when the change instruction is recognized by the change instruction recognizing section; and
- a display section for displaying an instructed position corresponding to the instructed information on a virtual orbit simulating a movement of the recording medium along a rotary operation direction of the change instruction recognizing section when the positional instruction is

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recognized by this positional instruction recognizing section,

wherein the display section provides a prespecified display along said virtual orbit, fixes the instructed position on said virtual orbit, and displays in the moving state the processing position along said virtual orbit,

wherein said virtual orbit includes a plurality of concentric virtual orbits, and

wherein, when the processing position and the instructed position are away from each other in a direction orthogonal to a circumferential direction of said virtual orbit, the display section displays said processing position and said instructed position in different display forms respectively.

Claim 2 (Original): The information processing unit according to claim 1, wherein said prespecified position is a processing start position for starting processing of the information at the same position repetitively.

Claim 3 (Currently Amended): The information processing unit according to claim 1, wherein said display section displays [[a]] said processing position of the information according to the progress of processing by the information processing section, and displays, when an instruction for [[a]] the prespecified position is recognized by the positional instruction recognizing section, the instructed position based on said processing position.

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Claim 4 (Original): The information processing unit according to claim 1, wherein the information recorded in the recording medium includes data and positional information for the data; the display section displays a processing position of said data based on said positional information, and displays, when the instruction for the prespecified position is recognized by the positional instruction recognizing section, the instructed position based on said positional information for said processing position.

Claim 5 (Canceled)

Claim 6 (Canceled)

Claim 7 (Canceled)

Claim 8 (Canceled)

Claim 9 (Currently Amended): The information processing unit according to ~~claim 5~~ claim 1, wherein said virtual orbit has a spiral form.

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Claim 10 (Currently Amended): The information processing unit according to ~~claim 6~~ claim 21, wherein said virtual orbit has a spiral form.

Claim 11 (Canceled)

Claim 12 (Canceled)

Claim 13 (Currently Amended): The information processing unit according to ~~claim 11~~ claim 1, wherein said display section displays the processing position and the instructed position with different colors respectively.

Claim 14 (Currently Amended): The information processing unit according to ~~claim 12~~ claim 21, wherein said display section displays the processing position and the instructed position with different colors respectively.

Claim 15 (Currently Amended): The information processing unit according to ~~claim 11~~ claim 1, wherein said display section blinks either one of the processing position and the instructed position.

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Claim 16 (Currently Amended): The information processing unit according to ~~claim 12~~
claim 21, wherein said display section blinks either one of the processing position and the instructed
position.

Claim 17 (Canceled)

Claim 18 (Canceled)

Claim 19 (Canceled)

Claim 20 (Original): A reproducing unit comprising:
the information processing unit according to claim 1; and
a reproducing section for fetching and reproducing the information processed by the
information processing unit.

Claim 21 (New): An information processing unit comprising:
a reading section for reading information recorded in a recording medium;
an information processing section for processing the information read by this reading section;

a positional instruction recognizing section for recognizing an instruction for a prespecified position in said information;

a change instruction recognizing section recognizing a change instruction to change a reproducing position of the information of the information processing section when a rotary operation is detected;

a processing control section for changing the reproducing position of the information processing section when the change instruction is recognized by the change instruction recognizing section; and

a display section for displaying an instructed position corresponding to the instructed information on a virtual orbit simulating a movement of the recording medium along a rotary operation direction of the change instruction recognizing section when the positional instruction is recognized by this positional instruction recognizing section,

wherein the display section provides the prespecified display along said virtual orbit, fixes the processing position on said virtual orbit, and displays in the moving state the instructed position along said virtual orbit,

wherein said virtual orbit includes a plurality of concentric virtual orbits, and

wherein, when the processing position and the instructed position are away from each other in a direction orthogonal to a circumferential direction of said virtual orbit, the display section displays said processing position and said instructed position in different display forms respectively.

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Claim 22 (New): The information processing unit according to claim 21, wherein said prespecified position is a processing start position for starting processing of the information at the same position repetitively.

Claim 23 (New): The information processing unit according to claim 21, wherein said display section displays said processing position of the information according to the progress of processing by the information processing section, and displays, when the instruction for the prespecified position is recognized by the positional instruction recognizing section, the instructed position based on said processing position.

Claim 24 (New): The information processing unit according to claim 21, wherein the information recorded in the recording medium includes data and positional information for the data; the display section displays said processing position of said data based on said positional information, and displays, when the instruction for the prespecified position is recognized by the positional instruction recognizing section, the instructed position based on said positional information for said processing position.

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Claim 25 (New): A reproducing unit comprising:

the information processing unit according to claim 21; and

a reproducing section for fetching and reproducing the information processed by the
information processing unit.